



2872 #4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF : Jignesh V. Gandhi, et al.  
FOR : ENHANCED CONTRAST RATIO FOR  
TWISTED NEMATIC LIQUID CRYSTAL  
DEVICES  
SERIAL NO. : 09/758,775  
FILED : January 11, 2001  
EXAMINER : Unknown  
ART UNIT : 2872  
ATTORNEY DOCKET NO. : 72880/04796

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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached form PTO-1449. A copy of each listed document is enclosed *except for* documents previously cited by or submitted to the Office in a prior application(s) relied upon for an earlier filing date under 35 U.S.C. 120, said prior application(s) identified below:

**Serial No.**

**Filing Date**

2. Pursuant to 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made.

3. Pursuant to 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed as an admission that the information cited in this Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).

4. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- ( ) Copy of each English language version of a search report by a foreign patent

office in a counterpart foreign application, indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

☐ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents."

☐ English-language abstract.

☒ 5. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed:

☐ within 3 months of the filing date of a national application; or

☐ within 3 months of the date of the entry of the national stage as set forth in 37 CFR 1.491 in an international application; or

☒ before the mailing date of a first Office Action on the merits.

{NOTE: Statements filed within the foregoing periods require neither a fee nor a Certification}

☐ 6. Pursuant to 37 C.F.R. 1.97(c) this Statement is being filed *after* the mailing date of a first Office Action on the merits but *before* the mailing date of either: a Final Office Action under 37 C.F.R. 1.113 or a Notice of Allowance under 37 C.F.R. 1.311, whichever occurs first. Accordingly, this Statement is accompanied by:

☐ Certification as specified in 37 C.F.R. 1.97(e); OR

☐ The submission fee set forth in 37 C.F.R. 1.17(p). Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement

☐ 7. Pursuant to 37 C.F.R. 1.97(d) this Statement is being filed *after* the period specified in 37 C.F.R. 1.97(c), but *before or concurrent with* payment of the Issue Fee. Accordingly, this Statement is accompanied by:

A. Certification as specified in 37 C.F.R. 1.97(e); AND

B. The submission fee set forth in 37 C.F.R. 1.17(p). Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement.

☐ 8. Statement filed *after* payment of Issue Fee, but *before* patent grant:

This Statement is being filed *after* payment of the Issue Fee, but *before* grant of the patent; accordingly it is understood that this Statement will *not* be considered. However, it is respectfully requested that this Information Disclosure Statement be placed in the application file. {NOTE: no fees or certification required}

0 9. CERTIFICATION under 37 C.F.R. 1.97 (e) (if applicable):

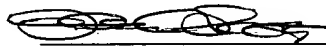
- 0 The undersigned hereby certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Information Disclosure Statement, OR
- 0 The undersigned hereby certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Information Disclosure Statement.

The Commissioner is hereby authorized to charge any additional fees required for consideration of this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 50-0902, identifying our Docket No. 72880/04796.

Respectfully Submitted,

ARTER & HADDEN LLP

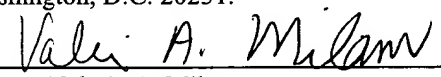
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**CERTIFICATE OF MAILING UNDER 37 C.F.R. '1.8**

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.

Date: May 31, 2001

  
Name: Valerie A. Milam



Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Attorney Docket No. 72880/04796	Serial No.: 09/758,775
Applicant: Jignesh V. Gandhi, et al.		
Filing Date: January 11, 2001		Group Art Unit: 2872

## U.S. PATENT DOCUMENTS

INITIAL*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE (if appropriate)
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION? (YES/NO)
	AI						
	AJ						
	AK						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	A. E. Rosenbluth et al.; "Contrast Properties of Reflective Liquid Crystal Light Valves in Projection Displays"; IBM Journal of Research & Development; Vol. 42, No. 3 - High-Resolution Displays; November 15, 2000; Pages 1-49
	AM	H. Yang, et al.; "Nematic LC Modes and LC Phase Gratings for Reflective Spatial Light Modulators"; IBM Journal of Research & Development; Vol. 42, No. 3 - High Resolution Displays; November 15, 2000; Pages 1-14
	AN	J. L. Sanford, et al.; "A One-Megapixel Reflective Spatial Light Modulator System for Holographic Storage"; IBM Journal of Research & Development; Vol. 42, No. 3 - High-Resolution Displays; November 7, 2000; Pages 1-12

EXAMINER:

DATE CONSIDERED:

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.